

Work Order ID 77859

\*77859\*

Page 1

December-22-11 8:52:37 AM

Item ID: D139-799-015 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Engine Wash  
 Start Date: 22/12/2011 Start Qty: 2.00 \*2\* Cust Item ID:  
 Required Date: 05/01/2012 Req'd Qty: 2.00 \*2\* Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 11/12/22 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
IIN-D139-799	E								
100		0.00							
*100*									
DC		0.00							
Document Control	Memo								
	Photocopy bluefile & type labels per PPP D139-799-015								
	CHG004								
110	Pick Kit	0.00							
*110*									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
*120*									
QC	Memo	0.00							
Quality Control									

*sp  
dust label*

*Sizlostic*

*for MLJ 12-5-15  
(2)*

*12/05/15 JB*

*Sizlostic*

*(2)*

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Work Order ID: 77859

\*77859\*

Page 2

December-22-11 8:52:37 AM

Item ID: D139-799-015

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Engine Wash

Start Date: 22/12/2011 Start Qty: 2.00

\*2\*

Cust Item ID:

Required Date: 05/01/2012 Req'd Qty: 2.00

\*2\*

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D139-799-015								
	Location: <u>31A</u>								
	PPP rev: <u>C</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

2 545 12/5/16

12/5/16

mf 12-05-15

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

December-22-11 8:52:41 AM

Page 1

Work Order ID: 77859

\*77859\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 22/12/2011

Required Date: 05/01/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B  
AS PER ECN 11-598 11-06-05 JLM VERF BY:DD IPP Rev:C 11.09.27  
PER CHG003 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4121-1		Manufactured	No			110	Each	22.0000	2	4	✓		
<p>S<sub>42</sub> *D4121-1* Hose Assembly</p> <p>** 81886 JB 545</p>													

Location	Loc Qty	Loc Code
----------	---------	----------

ST192	22	
74264	7	
76475	15	

D4121-3		Manufactured	No			110	Each	17.0000	1	2	✓		
<p>S<sub>42</sub> *D4121-3* Hose Assembly</p> <p>** JB</p>													

Location	Loc Qty	Loc Code
----------	---------	----------

ST192	17	
71290	2	
72245	4	
72466	4	
76474	7	

D4121-5		Manufactured	No			110	Each	5.0000	1	2	✓		
<p>S<sub>42</sub> *D4121-5* Hose Assembly</p> <p>** 1x 80731 JB 12/05/15</p>													

Location	Loc Qty	Loc Code
----------	---------	----------

ST192	5	
76436	5	

1x 76436 54

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

December-22-11 8:52:42 AM

Work Order ID: 77859

\*77859\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 22/12/2011

Required Date: 05/01/2012

Start Qty: 2.00

Required Qty: 2.00

D4131-041

Manufactured No

110 Each

6.0000

\*D4131-041\*

Manifold Assembly

\*\*

80725 JB S u

Location

Loc Qty

Loc Code

ST132

6

74251

6

D4131-043

Manufactured No

110 Each

4.0000

\*D4131-043\*

Doubler Assembly

\*\*

80525 JB S u

Location

Loc Qty

Loc Code

ST132

4

74259

4

D4146-1

Manufactured No

110 Each

0.0000

\*D4146-1\*

Fitting

\*\*

2X79173 S u JB  
2X81020 S u

D4182-1

Manufactured No

110 Each

26.0000

\*D4182-1\*

Fitting, Quick Disconnect

\*\*

JB

Location

Loc Qty

Loc Code

ST135

26

72463

26

D4384-1

Manufactured No

110 Each

15.0000

\*D4384-1\*

Placard

\*\*

72463 S u  
80679 JB S u

12/05/11

Location

Loc Qty

Loc Code

ST139F

15

72464

15

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

December-22-11 8:52:42 AM

Work Order ID: 77859

\*77859\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 22/12/2011

Required Date: 05/01/2012

Start Qty: 2.00

Required Qty: 2.00

AN526-1032R16

Purchased

No

110

Each

80.0000

4

8

\*\*

\*AN526-1032R16\*

Screw

## Location

## Loc Qty

## Loc Code

ST348

80

119108

80

110

Each

22.0000

2

4

\*\*

AN832-6J

Purchased

No

\*AN832-6.1\*

Union

## Location

## Loc Qty

## Loc Code

ST327

22

118490

2

119108

20

110

Each

26.0000

4

8

\*\*

AN924-6J

Purchased

No

\*AN924-6.1\*

Nut

## Location

## Loc Qty

## Loc Code

ST329

26

115884

1

118455

1

118473

4

119433

10

119438

10

110

Each

0.0000

20

40

\*\*

MS21919WDG09

MS21919DG9

Purchased

No

\*MS21919WDG09\*

Clamp

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Page 4

December-22-11 8:52:42 AM

Work Order ID: 77859

\*77859\*

Parent Item: D139-799-015

\*D139-799-015\*

Parent Item Name: Engine Wash

Start Date: 22/12/2011

Required Date: 05/01/2012

Start Qty: 2.00

Required Qty: 2.00

NAS1149C0932R

Purchased

No

110

Each

140.0000

2

4

\*\*

\*NAS1149C0932R\*

Washer

✓ JB 12/05/12

Location

Loc Qty

Loc Code

ST296

140

118242

140

118242 S

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## 5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -021	Qty -025	Part Number	Description
X							D139-799-011	MAINTENANCE STEP KIT
	X						D139-799-012	MAINTENANCE STEP KIT
		X					D139-799-015	ENGINE WASH KIT
			X				D139-799-017	CARGO FLOOR PROTECTOR KIT
				X			D139-799-019	CABIN FLOOR PROTECTOR KIT
					X		D139-799-021	CARGO COMPARTMENT PROTECTIVE TRIM KIT
						X	D139-799-025	CARGO COMPARTMENT RAINGUTTER KIT
			2				D3580-1	JOGGLE BRACKET
			2	8			D3628-1	CUPPED WASHER
1							D4092-041	MAINTENANCE STEP ASSEMBLY
	1						D4092-042	MAINTENANCE STEP ASSEMBLY
		2					D4121-1	HOSE ASSEMBLY
		1					D4121-3	HOSE ASSEMBLY
		1					D4121-5	HOSE ASSEMBLY
				1			D4130-1	FWD CABIN FLOOR PROTECTOR
				1			D4130-3	AFT CABIN FLOOR PROTECTOR
			1				D4130-5	FWD CARGO FLOOR PROTECTOR
			1				D4130-7	CENTER CARGO FLOOR PROTECTOR
			1				D4130-9	AFT CARGO FLOOR PROTECTOR
		1					D4131-041	MANIFOLD ASSEMBLY
		1					D4131-043	DOUBLER ASSEMBLY
		2					D4146-1	FITTING
			1				D4153-1	JOGGLE BRACKET
			1				D4153-3	JOGGLE BRACKET
				4			D4153-5	CLAMP PLATE
			2				D4166-1	PLACARD, MAX LOAD
		2					D4182-1	FITTING, QUICK DISCONNECT
		1					D4384-1	PLACARD
					2		D4427-1	SCUFF PLATE
						1	D4456-1	FWD RAINGUTTER, LH
						1	D4456-2	FWD RAINGUTTER, RH
						1	D4456-3	AFT RAINGUTTER, LH
						1	D4456-4	AFT RAINGUTTER, RH
						2	D4456-5	CENTER RAINGUTTER
4	4						AN6H12	BOLT
		4					AN526-1032R16	SCREW
		2					AN832-6J	UNION
		4					AN924-6J	NUT
					10		MS21075L3	NUTPLATE
		20					MS21919WDG09	CLAMP
					10		MS27039-1-09	SCREW
					10		NAS1149C0332R	WASHER (or AN960C10L)
6	6						NAS1149D0663J	WASHER (or AN960JD616)
		2					NAS1149C0932R	WASHER (or AN960C916L)

• COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. •

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: F  
Date: 11.10.20